

Message

From: VanBergen, Saskia (ECY) [sava461@ECY.WA.GOV]
Sent: 7/26/2018 4:06:02 PM
To: ABOR461@ECY.WA.GOV; Doug Krapas [dougkrapas@iepc.com]; mpetersen@landscouncil.org; Mullin, Michelle [Mullin.Michelle@epa.gov]; Lauren Heine [lheine@northwestgreenchemistry.org]; rlindsay@spokanecounty.org
CC: Vikki Barthels [vbarthels@srhd.org]; Whitman, Kara Michelle [kmwhitman@wsu.edu]; Greenlund, Doug [dgreenlund@spokanecity.org]; jerry@cforjustice.org; Olsen, Catherine [COlsen@SpokaneCity.org]; Amanda Parrish [aparrish@landscouncil.org]; Trumbull, Kari (ECY) [katr461@ECY.WA.GOV]; Benjamin Floyd [ben@whitebluffsconsulting.com]; Lisa Dally Wilson [Ex. 6 Personal Privacy (PP)]
Subject: RE: [SPAM-Sender] Re: Titanium Dioxide in products
Attachments: ATT00001.txt

Hi Adriane and Doug,

Sorry I am so confused. I assumed I was on the list about Titanium Dioxide because of the group below (did a screen capture to show the people listed) where recently product testing was added but realized that this might be a different group that is talking about product testing. If true, product testing appears to be the overlapping topic.



Best,
Saskia

From: Borgias, Adriane P. (ECY)
Sent: Thursday, July 26, 2018 8:34 AM
To: Doug Krapas <dougkrapas@iepc.com>; VanBergen, Saskia (ECY) <sava461@ECY.WA.GOV>; Mike Petersen <mpetersen@landscouncil.org>; Mullin, Michelle <Mullin.Michelle@epa.gov>; Lauren Heine <lheine@northwestgreenchemistry.org>; rlindsay@spokanecounty.org
Cc: Vikki Barthels <vbarthels@srhd.org>; Whitman, Kara Michelle <kmwhitman@wsu.edu>; Greenlund, Doug <dgreenlund@spokanecity.org>; jerry@cforjustice.org; Olsen, Catherine <COlsen@SpokaneCity.org>; Amanda Parrish <aparrish@landscouncil.org>; Trumbull, Kari (ECY) <katr461@ECY.WA.GOV>; Benjamin Floyd <ben@whitebluffsconsulting.com>; Lisa Dally Wilson [Ex. 6 Personal Privacy (PP)]
Subject: RE: [SPAM-Sender] Re: Titanium Dioxide in products

Doug,

I am going through my emails and realize there is some overlap happening between Green Chemistry and the TSCA workgroup.

So, to clarify, are you taking the Green Chemistry piece on within your workgroup?

If so, that is great. I don't see the need to duplicate efforts.

Please let me know, and others can chime in also about whether Green Chemistry is separate work or part of this workgroup (i.e., should there be another meeting on Green Chemistry as a stand-alone topic before the August Task Force meeting?). If there is interest in this, I can schedule one.

Adriane P. Borgias

Water Quality Section Manager, Eastern Regional Office
Washington State Department of Ecology
Water Quality Program - Eastern Regional Office
4601 North Monroe Street
Spokane, WA 99205-1295
(509) 329-3515

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From: Doug Krapas <dougkrapas@iepc.com>

Sent: Thursday, July 26, 2018 8:24 AM

To: VanBergen, Saskia (ECY) <sava461@ECY.WA.GOV>; Mike Petersen <mpetersen@landscouncil.org>; Mullin, Michelle <Mullin.Michelle@epa.gov>; Lauren Heine <lheine@northwestgreenchemistry.org>; rlindsay@spokanecounty.org
Cc: Borgias, Adriane P. (ECY) <ABOR461@ECY.WA.GOV>; Vikki Barthels <vbarthels@srhd.org>; Whitman, Kara Michelle <kmwhitman@wsu.edu>; Greenlund, Doug <dgreenlund@spokanecity.org>; jerry@cforjustice.org; Olsen, Catherine <COlsen@SpokaneCity.org>; Amanda Parrish <aparrish@landscouncil.org>; Trumbull, Kari (ECY) <katr461@ECY.WA.GOV>; Benjamin Floyd <ben@whitebluffsconsulting.com>; Lisa Dally Wilson

Ex. 6 Personal Privacy (PP)

Subject: RE: [SPAM-Sender] Re: Titanium Dioxide in products

There is a meeting scheduled for the TSCA workgroup next Wednesday from 10:00 to 11:00, as there is a regularly scheduled meeting on the first Wednesday of every month for this group. There appears to be some overlap of work between the two workgroups (TSCA & Green Chemistry), and in fact one of our tasks is to interface. If any of you has a particular interest to participate in the TSCA workgroup meeting, let me know and I will forward the meeting invite. I see that some of you already participate in the TSCA workgroup and here is a list of our current participants:

Lisa Dally Wilson
Greg Lahti, wsdot
Adriane Borgias, ECY
Tom Agnew, LLSWD
Lucy Edmondson, epa
Cadie Olsen, City of Spokane
Tammie Williams, wsdot
Mike Petersen, Lands Council
Elsa Pond, wsdot
Doug Greenlund, City of Spokane
Lauren Heine

And of course me,

Doug

Doug Krapas
Environmental Manager



From: VanBergen, Saskia (ECY) [<mailto:sava461@ECY.WA.GOV>]
Sent: Thursday, July 26, 2018 8:01 AM
To: Mike Petersen; Mullin, Michelle; Lauren Heine; rlindsay@spokanecounty.org
Cc: Borgias, Adriane P. (ECY); Vikki Barthels; Whitman, Kara Michelle; Greenlund, Doug; Doug Krapas; jerry@cforjustice.org; Olsen, Catherine; Amanda Parrish; Trumbull, Kari (ECY)
Subject: RE: [SPAM-Sender] Re: Titanium Dioxide in products

Hi All,

Is there a meeting scheduled?

As for these list, there appears to be more than one list being used since product testing was merged with the the green chemistry group. Please check if Kari Trumbull is on the list as she is the project manager for the PCB product testing work at Ecology. I have added her to this thread and have forwarded some of the other product testing information sent previously.

Thank you,
Saskia

From: Mike Petersen [<mailto:mpetersen@landscouncil.org>]
Sent: Wednesday, July 25, 2018 7:42 PM
To: Mullin, Michelle <Mullin.Michelle@epa.gov>; Lauren Heine <lheine@northwestgreenchemistry.org>; rlindsay@spokanecounty.org
Cc: Borgias, Adriane P. (ECY) <ABOR461@ECY.WA.GOV>; Vikki Barthels <vbarthels@srhd.org>; Whitman, Kara Michelle <kmwhitman@wsu.edu>; Greenlund, Doug <dgreenlund@spokanecity.org>; VanBergen, Saskia (ECY) <sava461@ECY.WA.GOV>; Doug Krapas <dougkrapas@iepc.com>; jerry@cforjustice.org; Olsen, Catherine <COlsen@SpokaneCity.org>; Amanda Parrish <aparrish@landscouncil.org>
Subject: RE: [SPAM-Sender] Re: Titanium Dioxide in products

Michelle,

I have not been tracking who is on the list, but a volunteer has been digging up some info about products with TiO2 and Lauren is digging into this as well.

I have attached a few files related to this.

Thanks,

Mike

From: Mullin, Michelle <Mullin.Michelle@epa.gov>
Sent: Wednesday, July 25, 2018 6:24 PM
To: Lauren Heine <lheine@northwestgreenchemistry.org>; rlindsay@spokanecounty.org
Cc: Mike Petersen <mpetersen@landscouncil.org>; ABOR461@ECY.WA.GOV; Vikki Barthels <vbarthels@srhd.org>; Whitman, Kara Michelle <kmwhitman@wsu.edu>; Greenlund, Doug <dgreenlund@spokanecity.org>; sava461@ecy.wa.gov; Doug Krapas <dougkrapas@iepc.com>; jerry@cforjustice.org; Olsen, Catherine <COlsen@SpokaneCity.org>; Amanda Parrish <aparrish@landscouncil.org>
Subject: RE: [SPAM-Sender] Re: Titanium Dioxide in products

Hi All-

I'm checking in to see if I'm on the invite list for the workgroup meetings? I am not sure if I'm getting all the communications for the green chemistry workgroup, but would love to be able to more fully participate. I had some thoughts on this TiO2 discussion that I was hoping to discuss at the next workgroup meeting, whenever that was/is.

Thanks,

Michelle Mullin | PCB Coordinator
U.S. Environmental Protection Agency | Region 10
Office of Air and Waste | Ste 155
p: 206.553.1616 | mullin.michelle@epa.gov

From: Lauren Heine [<mailto:lheine@northwestgreenchemistry.org>]

Sent: Tuesday, June 12, 2018 12:24 PM

To: Lindsay, Robert <RLindsay@spokanecounty.org>

Cc: Mike Petersen <mpetersen@landscouncil.org>; ABOR461@ECY.WA.GOV; Vikki Barthels <vbarthels@srhd.org>; Whitman, Kara Michelle <kmwhitman@wsu.edu>; Greenlund, Doug <dgreenlund@spokanecity.org>; Saskia (ECY) VanBergen <sava461@ECY.WA.GOV>; Mullin, Michelle <Mullin.Michelle@epa.gov>; Doug Krapas <dougkrapas@iepc.com>; Jerry White <jerry@cforjustice.org>; Olsen, Catherine <COlsen@SpokaneCity.org>; Amanda Parrish <aparrish@landscouncil.org>

Subject: [SPAM-Sender] Re: Titanium Dioxide in products

Here is an interesting background piece on manufacturing TiO2

—

Lauren Heine, Ph.D.
Executive Director, Northwest Green Chemistry
Spokane, WA
Office: (509) 598-8120
Mobile: 360-220-2069
www.northwestgreenchemistry.org

On Jun 4, 2018, at 9:56 AM, Lindsay, Robert <RLindsay@spokanecounty.org> wrote:

Thanks, Mike. This is good investigation.

I'm agreeable to looking at products that our customers flush or rinse into the collection systems, and provide information and outreach opportunities.

Rob

Ps...I'm a little bummed that sour neon worms made it onto the titanium dioxide list...who knew?

From: Mike Petersen [<mailto:mpetersen@landscouncil.org>]

Sent: Friday, June 01, 2018 12:42 PM

To: Adriane Borgias (ECY) <ABOR461@ECY.WA.GOV>; Vikki Barthels <vbarthels@srhd.org>; Whitman, Kara Michelle <kmwhitman@wsu.edu>; Greenlund, Doug <dgreenlund@spokanecity.org>; VanBergen, Saskia (ECY) <sava461@ECY.WA.GOV>; Mullin, Michelle <Mullin.Michelle@epa.gov>; Lindsay, Robert <RLindsay@spokanecounty.org>; Lauren Heine <lheine@northwestgreenchemistry.org>

Cc: Doug Krapas <dougkrapas@iepc.com>; Jerry White <jerry@cforjustice.org>; Olsen, Catherine

<COlsen@SpokaneCity.org>; Amanda Parrish <aparrish@landscouncil.org>

Subject: Titanium Dioxide in products

Green Chemistry Workgroup,

At the last task force meeting I brought up the use of titanium dioxide in consumer products and said I would compile a list. Since one of the main ways of producing titanium dioxide from ore uses a chlorination process, it can contain PCB's. For example a sunscreen I have contains 7% titanium dioxide.

One of my thoughts in doing this is that informing consumers/manufactures about products that are swallowed, rubbed on our face, might be an educational opportunity to highlight how PCB's find their way into Spokane, and ultimately the river. One of our great volunteers went "shopping" and compiled the attached list. She is also doing research trying to find how much of the titanium dioxide production is made using the chlorinated process, and how much using another sulfur based process.

The next step might be to test a few of the products on the list to see what, if any, levels of PCB's are contained in them.

Just like we have made great progress on yellow road paint, maybe this could help our overall outreach campaign - and I might cut back on donuts and skittles!

Thanks,

Mike

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